

PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/744,788

DATE: 04/04/2001

TIME: 11:31:59

Input Set : A:\A29961.app

Output Set: N:\CRF3\04042001\I744788.raw

3 <110> APPLICANT: Yu, Kin Tak
 4 Thrower, Larry W.
 5 Labaudiniere, Richard F.
 7 <120> TITLE OF INVENTION: ISOFORMS OF HUMAN CALCIUM SENSING RECEPTOR
 9 <130> FILE REFERENCE: A2996-US
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/744,788
 C--> 12 <141> CURRENT FILING DATE: 2001-01-30
 14 <160> NUMBER OF SEQ ID NOS: 12
 16 <170> SOFTWARE: PatentIn Ver. 2.1

*Does Not Comply
 Corrected Diskette Needed
 See p. 4*

ERRORED SEQUENCES

1261 <210> SEQ ID NO: 12
 1262 <211> LENGTH: 1078
 1263 <212> TYPE: PRT
 1264 <213> ORGANISM: Homo sapiens
 1266 <400> SEQUENCE: 12
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 1268 1 5 10 15
 1270 Thr Ser Ala Tyr Gly Pro Asp Gln Arg Ala Gln Lys Lys Gly Asp Ile
 1271 20 25 30
 1273 Ile Leu Gly Gly Leu Phe Pro Ile His Phe Gly Val Ala Ala Lys Asp
 1274 35 40 45
 1276 Gln Asp Leu Lys Ser Arg Pro Glu Ser Val Glu Cys Ile Arg Tyr Asn
 1277 50 55 60
 1279 Phe Arg Gly Phe Arg Trp Leu Gln Ala Met Ile Phe Ala Ile Glu Glu
 1280 65 70 75 80
 1282 Ile Asn Ser Ser Pro Ala Leu Leu Pro Asn Leu Thr Leu Gly Tyr Arg
 1283 85 90 95
 1285 Ile Phe Asp Thr Cys Asn Thr Val Ser Lys Ala Leu Glu Ala Thr Leu
 1286 100 105 110
 1288 Ser Phe Val Ala Gln Asn Lys Ile Asp Ser Leu Asn Leu Asp Glu Phe
 1289 115 120 125
 1291 Cys Asn Cys Ser Glu His Ile Pro Ser Thr Ile Ala Val Val Gly Ala
 1292 130 135 140
 1294 Thr Gly Ser Gly Val Ser Thr Ala Val Ala Asn Leu Leu Gly Leu Phe
 1295 145 150 155 160
 1297 Tyr Ile Pro Gln Val Ser Tyr Ala Ser Ser Ser Arg Leu Leu Ser Asn
 1298 165 170 175
 1300 Lys Asn Gln Phe Lys Ser Phe Leu Arg Thr Ile Pro Asn Asp Glu His
 1301 180 185 190
 1303 Gln Ala Thr Ala Met Ala Asp Ile Ile Glu Tyr Phe Arg Trp Asn Trp
 1304 195 200 205
 1306 Val Gly Thr Ile Ala Ala Asp Asp Asp Tyr Gly Arg Pro Gly Ile Glu
 1307 210 215 220
 1309 Lys Phe Arg Glu Glu Ala Glu Glu Arg Asp Ile Cys Ile Asp Phe Ser

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1310	225					230					235				240
1312	Glu	Leu	Ile	Ser	Gln	Tyr	Ser	Asp	Glu	Glu	Glu	Ile	Gln	His	Val
1313					245					250					255
1315	Glu	Val	Ile	Gln	Asn	Ser	Thr	Ala	Lys	Val	Ile	Val	Val	Phe	Ser
1316				260					265					270	
1318	Gly	Pro	Asp	Leu	Glu	Pro	Leu	Ile	Lys	Glu	Ile	Val	Arg	Arg	Asn
1319			275					280					285		Ile
1321	Thr	Gly	Lys	Ile	Trp	Leu	Ala	Ser	Glu	Ala	Trp	Ala	Ser	Ser	Ser
1322		290					295					300			Leu
1324	Ile	Ala	Met	Pro	Gln	Tyr	Phe	His	Val	Val	Gly	Gly	Thr	Ile	Gly
1325	305				310						315				320
1327	Ala	Leu	Lys	Ala	Gly	Gln	Ile	Pro	Gly	Phe	Arg	Glu	Phe	Leu	Lys
1328				325						330				335	
1330	Val	His	Pro	Arg	Lys	Ser	Val	His	Asn	Gly	Phe	Ala	Lys	Glu	Phe
1331			340						345				350		Trp
1333	Glu	Glu	Thr	Phe	Asn	Cys	His	Leu	Gln	Glu	Gly	Ala	Lys	Gly	Pro
1334			355					360					365		Leu
1336	Pro	Val	Asp	Thr	Phe	Leu	Arg	Gly	His	Glu	Glu	Ser	Gly	Asp	Arg
1337		370					375					380			Phe
1339	Ser	Asn	Ser	Ser	Thr	Ala	Phe	Arg	Pro	Leu	Cys	Thr	Gly	Asp	Glu
1340	385				390						395				400
1342	Ile	Ser	Ser	Val	Glu	Thr	Pro	Tyr	Ile	Asp	Tyr	Thr	His	Leu	Arg
1343				405						410				415	Ile
1345	Ser	Tyr	Asn	Val	Tyr	Leu	Ala	Val	Tyr	Ser	Ile	Ala	His	Ala	Leu
1346			420						425				430		Gln
1348	Asp	Ile	Tyr	Thr	Cys	Leu	Pro	Gly	Arg	Gly	Leu	Phe	Thr	Asn	Gly
1349		435						440					445		Ser
1351	Cys	Ala	Asp	Ile	Lys	Lys	Val	Glu	Ala	Trp	Gln	Val	Leu	Lys	His
1352	450						455				460				Leu
1354	Arg	His	Leu	Asn	Phe	Thr	Asn	Asn	Met	Gly	Glu	Gln	Val	Thr	Phe
1355	465				470						475				480
1357	Glu	Cys	Gly	Asp	Leu	Val	Gly	Asn	Tyr	Ser	Ile	Ile	Asn	Trp	His
1358			485						490					495	Leu
1360	Ser	Pro	Glu	Asp	Gly	Ser	Ile	Val	Phe	Lys	Glu	Val	Gly	Tyr	Tyr
1361			500						505				510		Asn
1363	Val	Tyr	Ala	Lys	Lys	Gly	Glu	Arg	Leu	Phe	Ile	Asn	Glu	Glu	Lys
1364			515					520					525		Ile
1366	Leu	Trp	Ser	Gly	Phe	Ser	Arg	Glu	Val	Pro	Phe	Ser	Asn	Cys	Ser
1367		530					535					540			Arg
1369	Asp	Cys	Leu	Ala	Gly	Thr	Arg	Lys	Gly	Ile	Ile	Glu	Gly	Glu	Pro
1370	545					550					555				560
1372	Cys	Cys	Phe	Glu	Cys	Val	Glu	Cys	Pro	Asp	Gly	Glu	Tyr	Ser	Asp
1373			565						570				575		Glu
1375	Thr	Asp	Ala	Ser	Ala	Cys	Asn	Lys	Cys	Pro	Asp	Asp	Phe	Trp	Ser
1376			580						585				590		Asn
1378	Glu	Asn	His	Thr	Ser	Cys	Ile	Ala	Lys	Glu	Ile	Glu	Phe	Leu	Ser
1379		595					600					605			Trp
1381	Thr	Glu	Pro	Phe	Gly	Ile	Ala	Leu	Thr	Leu	Phe	Ala	Val	Leu	Gly
1382		610					615					620			Ile

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1384 Phe Leu Thr Ala Phe Val Leu Gly Val Phe Ile Lys Phe Arg Asn Thr
1385 625                      630                      635                      640
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1388                      645                      650                      655
1390 Ser Leu Leu Cys Cys Phe Ser Ser Ser Leu Phe Phe Ile Gly Glu Pro
1391                      660                      665                      670
1393 Gln Asp Trp Thr Cys Arg Leu Arg Gln Pro Ala Phe Gly Ile Ser Phe
1394                      675                      680                      685
1396 Val Leu Cys Ile Ser Cys Ile Leu Val Lys Thr Asn Arg Val Leu Leu
1397                      690                      695                      700
1399 Val Phe Glu Ala Lys Ile Pro Thr Ser Phe His Arg Lys Trp Trp Gly
1400 705                      710                      715                      720
1402 Leu Asn Leu Gln Phe Leu Leu Val Phe Leu Cys Thr Phe Met Gln Ile
1403                      725                      730                      735
1405 Val Ile Cys Val Ile Trp Leu Tyr Thr Ala Pro Pro Ser Ser Tyr Arg
1406                      740                      745                      750
1408 Asn Gln Glu Leu Glu Asp Glu Ile Ile Phe Ile Thr Cys His Glu Gly
1409                      755                      760                      765
1411 Ser Leu Met Ala Leu Gly Phe Leu Ile Gly Tyr Thr Cys Leu Leu Ala
1412                      770                      775                      780
1414 Ala Ile Cys Phe Phe Phe Ala Phe Lys Ser Arg Lys Leu Pro Glu Asn
1415 785                      790                      795                      800
1417 Phe Asn Glu Ala Lys Phe Ile Thr Phe Ser Met Leu Ile Phe Phe Ile
1418                      805                      810                      815
1420 Val Trp Ile Ser Phe Ile Pro Ala Tyr Ala Ser Thr Tyr Gly Lys Phe
1421                      820                      825                      830
1423 Val Ser Ala Val Glu Val Ile Ala Ile Leu Ala Ala Ser Phe Gly Leu
1424                      835                      840                      845
1426 Leu Ala Cys Ile Phe Phe Asn Lys Ile Tyr Ile Ile Leu Phe Lys Pro
1427                      850                      855                      860
1429 Ser Arg Asn Thr Ile Glu Glu Val Arg Cys Ser Thr Ala Ala His Ala
1430 865                      870                      875                      880
1432 Phe Lys Val Ala Ala Arg Ala Thr Leu Arg Arg Ser Asn Val Ser Arg
1433                      885                      890                      895
1435 Lys Arg Ser Ser Ser Leu Gly Gly Ser Thr Gly Ser Thr Pro Ser Ser
1436                      900                      905                      910
1438 Ser Ile Ser Ser Lys Ser Asn Ser Glu Asp Pro Phe Pro Gln Pro Glu
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1442                      930                      935                      940
1444 Gln Gln Pro Leu Thr Leu Pro Gln Gln Gln Arg Ser Gln Gln Gln Pro
1445 945                      950                      955                      960
1447 Arg Cys Lys Gln Lys Val Ile Phe Gly Ser Gly Thr Val Thr Phe Ser
1448                      965                      970                      975
1450 Leu Ser Phe Asp Glu Pro Gln Lys Asn Ala Met Ala His Arg Asn Ser
1451                      980                      985                      990
1453 Thr His Gln Asn Ser Leu Glu Ala Gln Lys Ser Ser Asp Thr Leu Thr
1454                      995                      1000                      1005
1456 Arg His Gln Pro Leu Leu Pro Leu Gln Cys Gly Glu Thr Asp Leu Asp

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1457 1010 1015 1020
1459 Leu Thr Val Gln Glu Thr Gly Leu Gln Gly Pro Val Gly Gly Asp Gln
E--> 1460 025 1030 1035 1040
1462 Arg Pro Glu Val Glu Asp Pro Glu Glu Leu Ser Pro Ala Leu Val Val
1463 1045 1050 1055
1465 Ser Ser Ser Gln Ser Phe Val Ile Ser Gly Gly Gly Ser Thr Val Thr
1466 1060 1065 1070
1468 Glu Asn Val Val Asn Ser
1469 1075

→ Invalid amino acid numbering.
Entire numeral must be seen.:

Leu
1025

VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1460 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:12